

Materials List for:

Synthesis of an Intein-mediated Artificial Protein Hydrogel

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Materials

Name	Company	Catalog Number	Comments
Phusion High Fidelity DNA polymerase	New England BioLabs	M0530S	
Competent <i>Escherichia coli</i> BL21 (DE3)	New England BioLabs	C25271	
Luria Bertani	VWR	90003-350	
Bacto Agar Media	VWR		
Kanamycin sulfate	VWR		
IPTG	VWR	EM-5820	
Imidazole	VWR	EM-5720	
Urea	VWR	EM-9510	
Dithiothreitol (DTT)	Fisher	BP172-5	
Protease Inhibitor cocktail	Roche Applied Science	11836153001	
DPBS	VWR	82020-066	
Brilliant Blue R	Acros Organics	A0297990	
Sodium Azide	Fisher	AC190380050	Caution, highly toxic
Horseradish peroxidase	Sigma	P8125-5KU	
N,N-dimethyl- <i>p</i> -phenylene diamine	Fisher	AC408460250	Caution, highly toxic
phenol	Fisher	AC149340500	Caution, highly toxic
tert-butyl hydroperoxide	Fisher	AC180340050	Caution, highly toxic
n-heptane	Acros Organics	120340010	
Name	Company	Catalog Number	Comments
Shaker/Incubator	Fisher Scientific	Max Q 6000	
Centrifuge	Sorvall	RC 6	

Sonicator	QSonica	Misonix 200	
Ultrafiltration Tubes	Amicon Ultra	UFC903024	
Ni Sepharose High Performance HisTrap column	GE Healthcare Life Sciences	17-5248-01	
HiTrap SP Sepharose FF ion exchange column	GE Healthcare Life Sciences	17-5156-01	
Plate reader	Molecular Devices	SpectraMax Gemini EM	